



↑ — THE QUAKER OATS PLANT — ↑

HOTEL ROOSEVELT — ↑

HOTEL MONTROSE — ↑

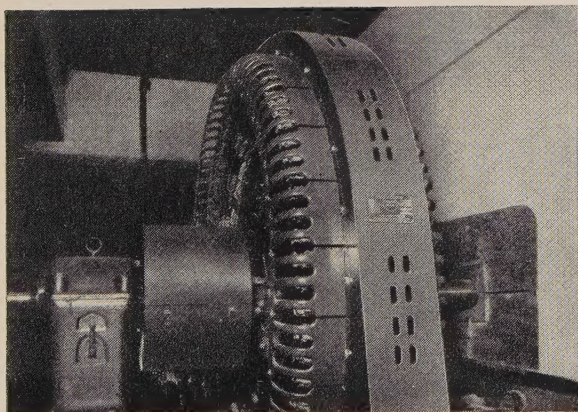
↑ — THE WORLD'S LARGEST CEREAL PLANT

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—MAY 23-24-25

Cream

DECEMBER, 1945

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Supers Select Cedar Rapids

For May 23-24-25 Conference

President Brand's Home Town Expected to Draw Record Attendance . . . Earlier Date to Attract Southwest Delegates . . . Program Talks to Come From Active Membership . . . Contrary to Present Experiences, Ample Rooms Are Already Booked for Your Arrival

CEDAR RAPIDS, IOWA, is to be the convention city for the seventeenth annual convention of the Society of Grain Elevator Superintendents, according to Herbert C. Brand of Quaker Oats Company, international president of this progressive association of plant operatives.

MAY 23-24-25th are the dates that have been selected for this important mechanical and operation conference of Plant Superintendents in the terminal and subterminal grain handling and grain processing industries including cereal, feed, soybean, linseed, starch and malt plants as well as the grain departments of breweries, distilleries, yeast plants and flour mills, along with such other subdivisions of the industry as wholesale seed plants, soybean-plastic plants, paint company elevators, canneries, and similar grain utilization properties.

THE HOTEL ROOSEVELT is to be headquarters for the discussions of the Superintendents and, contrary to present trends, ample facilities have been allocated to accommodate half of the delegates in this hotel, with the other half to be quartered at the nearby Montrose Hotel. Rates at both hotels are attractive.

THE ASSOCIATION'S PROGRAM will cover a wide though pertinently pointed "front" of troublesome topics, according to President Brand, including recent developments on car unloading . . . labor relations . . . government intervention in the grain and milling industries . . . corn and soybean drying . . . safety . . . new mechanical developments . . . recent research findings . . . grain grading and pearling tests for wheat . . . preparing high moisture grains for safe storage . . . dust collecting . . . dust explosions and explosion venting . . . static . . . power transmission . . . electronics . . . entomological developments . . . malting barley . . . barley cleaning and grading . . . plus the always illuminating round table "vertical" discussions, the "postmen's holiday" plant inspection trips, for three days packed full of a well rounded agenda which is bound to pay dividends to all participants.

INCLUDING THE LADIES, about 300 are expected to attend this convention. The Associates' Night Dinner-Dance will wind up this important conference, which President Brand reports grows in stature and importance each succeeding year, and at which non-members have always been most cordially welcomed.

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GOOD RAIL SERVICE

Nestled in the fruitful undulating countryside, Cedar Rapids, a bustling metropolis of 75,000, enjoys excellent rail and bus transportation. Streamliners on most of the many trunk lines make convenient stops all during the day and night at this capitol of Cedar County. Good connections from nearby transfer points make Cedar Rapids one of the easiest reached convention sites for a majority of the delegates with the least distance to be traveled.

Cedar Rapids is just about mid-way between Kansas City, Omaha, Minneapolis, Chicago, and St. Louis, and ranks much higher in grain receipts and product shipments than most people imagine. Quaker Oats, Penick & Ford, Cargill's soy bean unit, National Oats, and Wilder Grain companies' plants keep the railroads humming.

Quaker Oats Company needs all of its 10,250,000 bu storage capacity to feed its own units in a normal year, and the same can be said for Penick & Ford's 600,000 bu unit, and so down the line. Summing up Cedar Rapids as an SOGES convention city, it is an ideal location to say the least. Here, without long travel, grain handling, cereal, feed, soybean, corn refining, and milling facilities may be seen at their best. Indications point to an outstanding convention and one of the largest turnouts in years, according to President Herbert C. Brand.

GOOD SLEEPER SERVICE FOR LATE ARRIVALS

Not everyone who plans to attend the annual SOGES convention at Cedar Rapids on May 23-24-25 will be able to obtain sleeping accommodations the night before, May 22nd. At least those who are tardy in getting their reservations in will have to arrange their trip there so as to arrive on the opening morning, May 23rd.

Good sleeper service is available from practically every direction, however, so delegates need not miss a single session. . . . Early morning to noon time departures will serve those who find even a later arrival necessary. (But write TODAY for your hotel reservations.)

To those who plan to drive to arrive on the convention's opening morning there are innumerable good sized cities and towns not too far distant from Cedar Rapids, from which an early morning start will bring delegates in to the meeting before the first gavel sounds. (Remember to write, phone or wire now for your room accommodations.)

MAKE RESERVATIONS TODAY; AMPLE ROOMS AVAILABLE

"Please request all prospective convention delegates to make their room reservations at once," asks the general manager of both Cedar Rapids convention hotels. "Even if your people find they must cancel their reservations at the last minute," they warn, "it is better to have a reservation to cancel than it is to find one's self able to come to the convention at the last moment but be without a room."

Fifty rooms will be available to convention delegates—provided they reserve them first—at the Hotel Roosevelt on the NIGHT BEFORE the convention. Seventy-five rooms will be available the NIGHT BEFORE the meeting opens at the Montrose Hotel. Due to the fact that Cedar Rapids is so readily reached from all directions by fast moving streamliners, President Brand is counting on at least 80% of the delegates arriving on the afternoon and evening of Wednesday, May 22nd. Seven P. M. is the checking out hour, however, so many rooms will not become available until after that hour.

Up to ninety rooms will be available for May 23-24-25-26—provided delegates get their reservations in immediately—at the Hotel Roosevelt. An equal number have been set aside for those requesting convention-date rooms early in the Montrose Hotel. Single rates are from \$2.75 to \$4.00, double from \$4.00 to \$6.50, and suites \$10.00, \$15.00 and up. Both hotels will set aside quarters for early morning arrivals to freshen up in, et al., both for the men and women.

Reservations should be directed to Mr. J. C. Kennedy, Manager, Hotel Roosevelt, or to Mr. Charles J. Gustin, Manager, Montrose Hotel. Confirmations will not be sent unless requested.

MUST SPECIFY TIME OF ARRIVAL TO HOTELS

It will save all convention delegates a lot of misunderstanding and disappointment if they will advise the Hotels Roosevelt or Montrose when reserving their accommodations the train they are coming in on, giving approximate arrival time. The same applies to those who are driving.

The reason for this is that all Cedar Rapids hotels automatically cancel reservations at 8 p.m. unless a later time of arrival is specified. Consequently it might be well to allow for a little tardiness in estimating one's time of arrival. Surely no one would willingly lose his accommodations through neglecting this detail.

DOUBLE UP WHERE POSSIBLE, PLEASE

Doubling up of friendly convention delegates will be requested by both the Montrose and Roosevelt hotels, however, only in twin bedded rooms. If delegates can arrange their own room mate for the convention, it will be all the better.

WASH ROOMS TO BE PROVIDED

Inasmuch as 7 p.m. is the checking out time for Cedar Rapids hotels, not everyone will be enabled to get into their own rooms before that hour. Consequently arrangements have been made with both hotels to provide a spacious room, one for the men and one for the women, in which to wash up, etc. After the morning routine, grips may be checked, thus avoiding uncomfortable delays and that grimy feeling all day long.

OTHER CEDAR RAPIDS HOTELS

Other hotels in Cedar Rapids include the Allison, Magnus, Taft, etc.

ARE YOU JUST A MEMBER

Are you an active member,
A co-operative pal?
Or are you just contented
With the pin in your lapel?
Do you attend the meetings
And mingle with the flock,
Or do you stay at home
And criticize and knock?
Do you take an active part
To help the work along,
Or are you satisfied to be
The kind that just belong?
Do you help the fellow members
To draft things out and plan,
Or leave the work to just a few
Who do the best they can?
Attend the meetings often,
And help with hand and heart;
Don't be just a member,
But take an active part.
Just think this problem over;
You know the right from wrong—
Are you an active member,
Or do you just belong?

TRUER WORDS WERE NEVER SPOKEN

This convention business is a headache, I know, and those who seem the most interested in attending conventions are not always the ones who offer the most help in arranging for them. However, it would seem that it is the conventions that hold us together and we must strive to bring one off.—Percy C. Poulton, N. M. Paterson & Co., Ltd., Ft. William.

IF YOU DRIVE TO CONVENTION

Many will drive to Cedar Rapids to attend the SOGES convention there on May 23-24-25. The distance is not far, the roads are pretty direct from most locations, and having a car on hand will help in getting around on the various tours planned.

Naturally most state highways suffered from lack of care during the war years. Patching had to be neglected, shoulders have washed away, and road signs have rusted or disappeared. Particularly, travelers tell us, the "no passing" warnings are absent, consequently highway travel is dangerous from the point of not knowing how safe it is to pass a slow moving vehicle when there is a curve or hill or valley ahead. Being quite rolling country, Iowa highways are packed full of blind hills and curves that flatter areas do not have to contend with.

Another point worth remembering by those driving is that many Iowa highway turns are closer to a 90° angle than the signs or the telegraph poles ahead would lead one to believe. The rolling contours of the countryside add to these optical illusions.

"De-Air" Tires En Route

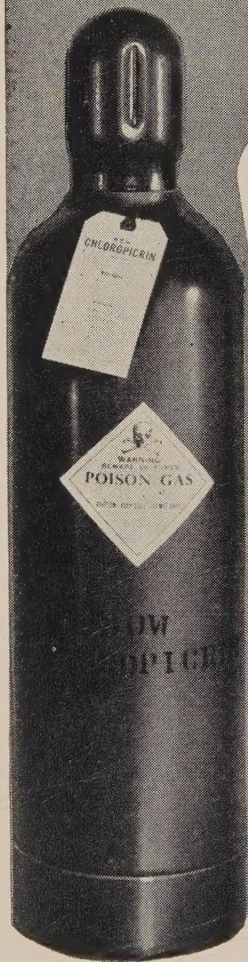
And inasmuch as the majority of those driving will be riding on synthetic or recapped tires—or even on thin natural rubber—it would be well to remember that the weather will be warm and the tires will pick up heat very rapidly from the sun-baked pavements. Synthetics and recapped tires seem to pick up pressures faster than new, thick natural rubber tires, consequently authorities agree it is necessary to stop AT LEAST every 75 miles and let all surplus air out of tires to avoid BLOW-OUTS

Not only will the probable higher speeds and higher temperatures adversely affect the pressures in one's tires, but Herb Brand, who now travels all around the state of Iowa, says so many cars have been driven at slower speeds all during the war that higher peace time speeds are bringing plenty of trouble to those who neglect to watch their water-cooling temperature readings or to adequately prepare this department, among others, for post-war strains. President Brand reports that every tenth car on the road is either boiling over or pulled over to the side of the road in some sort of trouble.

"We want everyone to come to Cedar Rapids to enjoy what we hope will be one of the finest, most unique, gatherings in our annals," he states, "and not have to worry about car

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trouble." To those who plan to drive, as some wise guy said: "An ounce of prevention is worth a pound of cure," so prepare now and have an enjoyable drive.

NO STREET PARKING IN C. R.

When one drives to a convention the welfare of one's automobile is apt to become of second consideration, hence this information. All night parking is allowed in Cedar Rapids, but only one-hour parking from 8 a. m. to 5 p. m. Ample garages and parking lots abound, however.

A wise husband will buy his wife such fine china she won't trust him to wash the dishes.

DIRECTORS RESPONSIBLE FOR TALKS

We once wondered what SOGES Directors were expected to do, away back when we became one, and were informed that they were supposed to each give a pertinent talk or secure a well informed speaker on a subject of interest to the entire convention. Many of the Directors have taken on additional responsibilities, and fortunately so.

We do have good information from Director Emil A. Buelens of The Glidden Company, Chicago, who was named Chairman of a committee to suggest a more appropriate name for our Society at a meeting of the Chicago Chapter. This committee has evi-

dently been working, as we have had their recommendations for further consideration. At least this will get the ball 'rolling again for our next meeting, and place before the convention something for discussion. They have submitted one name that appeals to me, namely: Society of Grain Elevator & Processing Superintendents, but I do hope the membership will be giving considerable thought to this important subject prior to convention time.—Herbert C. Brand, Quaker Oats Co., President SOGES, Cedar Rapids.

LADIES TO KEEP BUSY

About seventy-five wives (and grown-up children) are expected to join their busy husbands in attending the sixteenth annual convention in seventeen years of the Society of Grain Elevator Superintendents when that progressive body convenes in Cedar Rapids, Iowa, on May 23-24-25 at the Hotels Roosevelt and Montrose.

Luncheons, bridge parties, teas, cocktail parties, shopping tours, sight seeing, a trip through the Quaker Oats Company's packaging unit, and probably an excursion to a fascinating woolen mills in a neighboring city will be included on their agenda if plans work out as now contemplated.

Not only does Cedar Rapids have a great deal more merchandise available than most larger cities, Mrs. Herbert C. Brand tells us, but the quality is excellent and the prices surprisingly reasonable. Clothing and household items not to be found on the shelves of Kansas City, Minneapolis or, Chicago, are, momentarily at least, to be had in profusion in Cedar Rapids with price tags attached which dumbfounds the big city dweller. At the time of writing, butter and beef were plentiful.

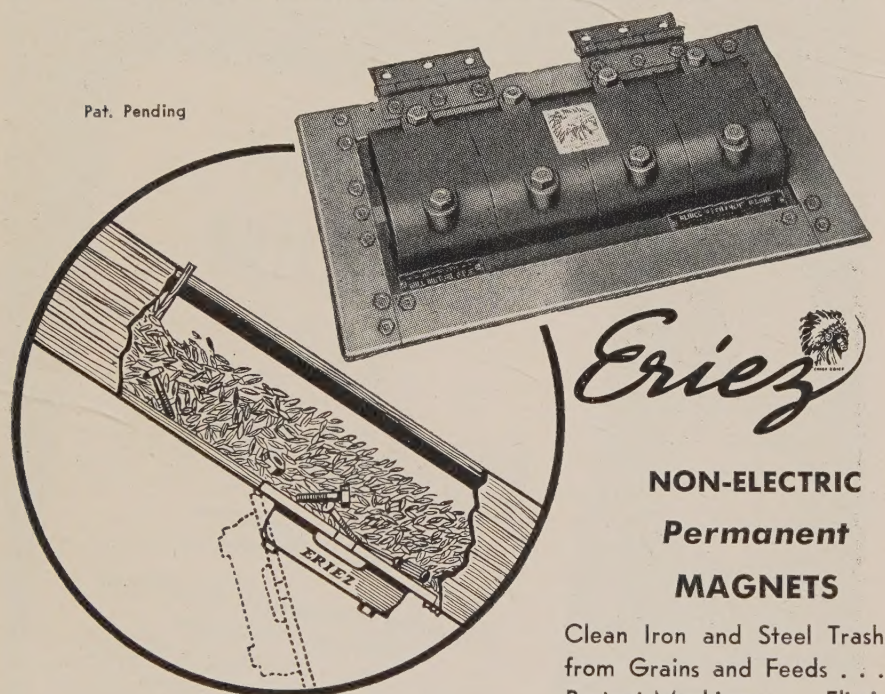
SHOULD BE ALL PRIMED

We should be all primed for a bang-up convention in Cedar Rapids this year on May 23-25.

Also, why wouldn't it be a good idea to call a directors' meeting, without all the fuss and feathers, for the Saturday-Sunday preceding the National Safety Council's "Congress" in Chicago next October?—Clifford A. MacIver, Assistant General Superintendent, Archer-Daniels-Midland Co., Minneapolis, Minn., SOGES Director.

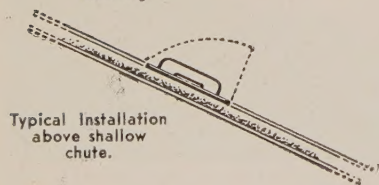
Good Job Being Done

The GRAIN Magazine is doing an excellent job of employee training and safety work. Keep it up.—H. W. Puetz, Safety Engineer, Milwaukee.

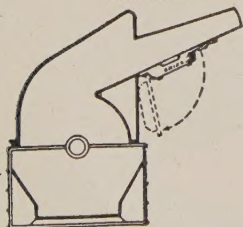


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INDIANAPOLIS IN 1947?

I am glad you got a suitable convention site for our SOGES convention in Cedar Rapids, May 23-24-25, and hope to be there with all the many other delegates. I was sorry we couldn't get better sleeping accommodations here, but Indianapolis is booked up with other conventions.

I would like to get the boys together and see about inviting the convention here in 1947. We could get the Lincoln or Claypool Hotel if we made arrangements ahead like we could. Hope all the SOGES members feel Indianapolis would be in the running for next year.—M. M. "Mac" Darling, Acme-Evans Company, Inc., Indianapolis, SOGES Director.

LOUISVILLE SOME OTHER TIME

There is nothing that I would like better than to have the SOGES "Supers" down here, but conditions which are beyond my control make it impossible. As you know, the races are here, and with races some 40,000 enthusiastic, "crazy" people come to this city. There are only five hotels, and you can see from the above situation that it would be impossible to get accommodations or even to partially feed the group.

The Grain Trade, as well as myself, deeply appreciate the compliment, and at some other time we would only be too happy to make the necessary arrangements.—W. A. Thomson, Jr., Thomson Grain Elevator Co., Louisville.

PERHAPS IN ANOTHER YEAR

We are sorry about the hotel situation here as far as holding this year's SOGES convention in Fort William-Port Arthur. The old Avenue Hotel, which Roy Heinrikson used to say was "next to the vinegar works," has burned down. So with that much less accommodation than we had in 1937, plus a very much higher movement of ordinary travelers, it would seem to be out of the question to begin to think we could house a delegation as large or larger than we had in 1937, which was 247 people.

I believe we can expect a larger crowd than ever at our convention this year.—Percy C. Poulton, N. M. Peterson & Co., Ltd., Fort William.

Says It's Interesting

I am enclosing a money order for the renewal of my subscription to your interesting publication GRAIN.—E. C. Howes, Montreal.

I have sworn off of conventions
With the very best intentions,
For they take both time and money,
don'tcha know.

Oh, I've sworn that I would quit them
And insisted I'd omit them—
But, when next the old gang gathers,
watch me go!

All the sessions I've attended
Have brought me, before they ended,
Headaches, trouble, grief, expense and
wear and tear;

Still, for all their doggone trouble
They've brought pleasure more than
double,

So, next time the sessions open, I'll
be there!

—Emil Buelens, Glidden Co., Chicago.

SOGES DOING GOOD WORK

It is my own opinion that the Society of Grain Elevator Superintendents has done a great deal of good, especially along safety lines. Just recently our Elevator Superintendent here at Carthage, Mr. Edwin Crawford, has become affiliated with the Kansas SOGES City Chapter. I feel sure a great deal of good will be derived by him in the membership.—W. D. Hughes, Manager, National Biscuit Co., Carthage, Mo.

"Nothing will ever take the place of simple, unobtrusive, old-fashioned courtesy."—Matthew S. Sloan.

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EXHAUST FANS

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PUSH

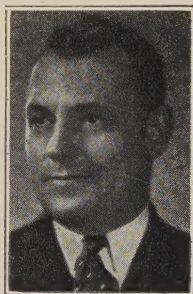
By GILBERT P. LANE

Arcady Farms Milling Co., Chicago

WEBSTER, the old master of mumbling, defines the word "Push" as: "To move steadily forward."

I don't know whether or not SOGES can be pronounced "Push,"—but I do know that the spirit contained in that particular combination of letters, in any man's tongue, means: "To move steadily forward!"

And here's the reason: Way back in 1930, when the late Chris Wood and others first discussed the advisability of a trade association of superintendents, they were faced with the problem of breaking virgin soil where never the touch of plough had been felt. But they turned to with a will, and from that Genesis sprang the ever



expanding association to which we proudly yield allegiance. From the day the originators first broke ground, to the present moment of the Society flowering forth in the splendor of its 16th year, the growth and the life of the SOGES has been characterized as "Push."

Proves Profitable Sounding Board

LET us consider for a moment some of the vital things the Society has accomplished in its relatively short existence—the blossoming leaves, I might add, to the sturdy plant that has "pushed" its way through hitherto barren soil.

Prior to the inception of the Society, superintendents as a group were a good deal like the scattered tribes of Israel, exposed alike to the whims of the elements and to the depredations of stronger neighbors. Although they were the men most concerned with the regulation of the industry, they had at that time no unified voice

in its affairs. And as a result, the industry as a whole suffered.

But 1930 ushered in the beginning of a new era—a time which was destined to see the concerted body of grain plant superintendents raising their collective voice in the governing councils. The process of "moving steadily forward" had begun!

The first few years of the Society's existence were fraught with peril—from antagonistic opposition, and from apathy within the ranks—but the SOGES couldn't be kept down! Its life blood and impelling force was based upon the fact of its essential necessity—for the good of the grain handling and processing industry—and this spirit refused to be quenched.

So, we witnessed the steadily surging forward of this organization—its innate "Push"—until now it stands forth a shining light to all in the realm of grain and by-products.

Dividend Ratio Going Up

LET us apply the yard stick of dollars and cents to the achievements of the Society. It is a well known fact that elevator and plant costs have materially lessened the past 16 years. This, of course, was in the final analysis an economic necessity brought on originally by the worldwide collapse of values. But although the terminal grain elevators and processing plants greatly reduced their operating costs, they, during the same period vastly improved their efficiency. Such a course is without parallel in the annals of the industry.

And, is it just a coincidence that this amazing feat was accomplished during the years the SOGES was increasingly functioning in its capacity of organized help to the Superintendents? The yard stick of dollars and cents . . . surely this is a practical demonstration of the Society's worth!

Now, just how did the Society accomplish this endeavor? Here's the story:

By affiliating ourselves with the various technical bodies devoted to the progress of industry we have brought the needed practical touch to their attention; by sponsoring meetings wherein the membership have met technical experts and have learned to their advantage the latest developments in most efficient and economical operation and maintenance; and by broadcasting to each and all through the medium of the magazine GRAIN up-to-the-minute resumes of the latest industry information.

A three-fold objective—that carries the ideals and aims of the Society to fruition! This is how the SOGES has



Application for Regular Membership

Society of Grain Elevator Superintendents

BOARD OF TRADE • Phone WABash 3111 • CHICAGO 4, ILLINOIS

To the EXECUTIVE COMMITTEE:

Date.....

Being engaged in the Management or Supervision of a Grain Terminal or Grain Processing Plant, I am eligible to the grade of ☐ Member or ☐ Associate Member, and do hereby apply for Membership in the SOCIETY OF GRAIN ELEVATOR SUPERINTENDENTS.

I enclose ☐ herewith (or will pay on receipt of invoice ☐ check for \$..... covering current dues.

RATES OF DUES: Owners, Operators, Managers, Superintendents—\$10. Associates—\$25

My Name in Full.....

Title..... Birthday Month..... Date.....

Firm Name

Mail Address..... Zone Number.....

City and State..... By.....

A Voluntary Body Formed to Promote Greater Knowledge in the Maintenance and Efficient Operation of Grain Elevators and Grain Processing Plants and the Solving of Mutual Technical Problems with a View to Adopting More Economical and Less Hazardous Practices.



Mr. Arthur Poe, manager of The Quaker Oats Company at Cedar Rapids, largest cereal plant in the world, who will welcome the SOGES convention delegates to Iowa's Grain Processing Capital on May 23-24-25, and who will address their Friday "Quaker-sponsored" luncheon on "Industrial Management." Mr. Poe is also a leader in civic and philanthropic affairs.

successfully battled adolescent growing pains and has knit into a unified group the progressive superintendents!

In the years to come, we can be assured of the continual forward movement of the Society until it embraces every superintendent on the continent, and is fulfilling its destiny of being the largest practical factor in the welfare of the grain handling and processing industry.

Shouldn't you be a member? Then why not send me—or any other member—your letter of application today? Will you do it now?

Bouquets For Lane

Past-Prexy Gil Lane of Arcady Farms Milling Co., sure is a handsome looking person, and to me is one of the finest members one could ever care to meet. He gets in there with that smile exactly as in his article in the October issue of GRAIN. It would be a grand old world if more people would smile instead of frown—and they claim it costs less effort to smile.—Herb Brand.

LIKED ARTICLE

I want you to know that I consider your feature article in GRAIN's July issue, telling of our part in getting seed wheat to Czechoslovakia in time for planting for next year's crop, well written and a tribute to the men who made this feat possible.—Clarence C. Bach, Supt., Twin City "A" Elevator, Minneapolis.

THEY SHOW THE WAY

Some one has said that trade associations are the lubricants of our industrial mechanism. They lessen the friction of the parts, cause each cog to mesh more smoothly with its neighbor, insure the more efficient operation of the whole.

But just as different machines require different lubricants, so different industries require different types of associations and associational activities. Each industry has its peculiar problems, personalities, goals. Each requires its special lubricant, refined from its own knowledge of its problems, and compounded from the pooled experience of its members.

Attempt to prescribe by legislative fiat or other means a single program to synchronize the wheels of all industry and the works are soon gummed. The wheels are too many, the works too intricate and varied, the parts too delicately balanced. Let each industry develop and apply its own special lubricant to its sticking parts and they'll function more smoothly both in relation to themselves and to the industrial machinery of the nation.

Properly functioning, the trade association serves also to dissipate the accumulated inertia of time-worn and out-dated trade customs and habits, and to stir the wheels of industry into new activity. Or, if changing conditions or cyclic declines stall those wheels, it is often the trade associations which supplies the energizing force to start them again.—Philip Gott, Manager, Trade Association Department, U. S. Chamber of Commerce.

Our own association needs the coöperation and active support of every member, and all should make an effort to enroll the larger grain and processing plant executives who are not members, and secure their moral as well as financial support. Let us try and induce them to pay their share towards the expense of operating the Association rather than permitting them to ride along free, as they have been doing. Ten dollars a year, the annual dues, is a small investment for the benefits they will receive.

And if YOU have not paid your dues won't you send check?

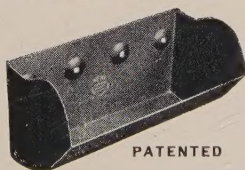


**ARE YOUR ELEVATOR LEGS
RUNNING TRUE TO FORM?**

—at the crack of dawn, the "rail birds" are at the track to clock the thorobreds—they check against past performance; carrying loads; etc. Elevator operators could profitably follow the lead of these analysts of horse flesh—by checking on their elevator legs!

Are they handling the volume you require? Are the buckets slow on the pick-up and do they back-leg on the discharge? Can they be spaced to give maximum capacity—are they "bucking bronchos"—that raise hob with belt and bearings?

TO MAKE A REAL CHECK ASK FOR CAPACITY ANALYSIS FORM NO. 76



and get the "dope" on "Nu-Hy" Grain Buckets and how they have increased capacities up to 100%. It's a safe bet—because we guarantee our findings. A post card brings the form.



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Says "Amen" to Ted Manning's Article;

Throws New Light on Effectiveness of Vent-Sash

By W. F. Canavan, Montreal

WE have just read with a great deal of satisfaction and interest Ted Manning's "Why Dust Explosions" in the November, 1945, issue of GRAIN. Years ago we came across a gem of literature of which we are now reminded, i.e., "The pipe draws wisdom from the philosopher's lips—and shuts up the mouth of the foolish!"

We suspect Ted Manning smokes a pipe—in off hours, of course. In any event our hat's off to him. He brings his years of experience to bear on one of the outstanding problems of the terminal grain handling industry, namely DUST EXPLOSIONS. And with his skill and the knowledge of a pastmaster he brushes aside the subterfuge and make-believe and puts his finger on the basic malefactor—DUST IN SUSPENSION. For, as we all know, dust-in-suspension acts as the primer in dust explosions.

Dust-In-Suspension Causes Explosions, He Says

PHILOSOPHY, we learn, is the science of relations, causes, reasons and effects of phenomena. Well, dust explosions are phenomena. For emphasis, Ted Manning's gems of philosophy are worthy of reproduction, when he says:

"Investigations after dust explosions—providing the explosion does not destroy the entire plant (!) have invariably 'found' that (1) the house was 'elevator clean,' (2) that the operators were 'good housekeepers,' and (3) that there was no evidence of dust-in-suspension at the time of the explosion—the condition that really caused the explosion and one that exists to a certain extent in practically every elevator in the country today!"

Because it is pertinent and directly to the point, we want to reiterate Ted Manning again: "All the dust that escapes from the grain running in the open rises in suspension only to settle on floors, structural members, machinery and rough concrete walls, requiring endless effort and expense to even attempt good housekeeping.

After it settles, if not kept gathered and disposed of to the sweepers, this fine dust furnishes a potential explosion with further ammunition after the first puff."

Nothing Can Pick Up All the Dust in Suspension

TED MANNING goes on to say, in effect, that fans will not pick up ALL the dust which is in suspension, or materially lessen it whilst it is rising from open streams of grain. It seems to us that atmospheric alone does an A-1 job in this regard, when large vent areas allow of its employment. The framers of the proposed Venting Code of the Dust Explosion Hazards Committee of the National Fire Protection Association doubtless had this in mind.

Because of its vital interest to the operatives whose lives are spent in grain terminals and processing plants, its reproduction in the August GRAIN is to be warmly commended, and for the prominence given this vital subject in issue after issue. Basically GRAIN seems to believe in instantly getting rid of dust-in-suspension.

Logically enough ventilated sash are emphasized, automatic in action.

EXPLOSION DATA COMING

It is very gratifying to observe the interest there is in the work of our NFPA Committee on Explosion Venting. Nothing further has been published since the Progress Report which appeared in a recent issue of GRAIN. Eventually we hope to obtain sufficient reliable test data substantiated by loss experience so that a definite, usable code can be prepared. In the meantime our Subcommittee on Research is attempting to correlate what test data there is together with all pertinent loss reports. We are also attempting to stimulate further test work on the part of manufacturers, testing laboratories, and insurance companies.—Alan L. Kling, Chairman, NFPA Committee on Explosion Venting.

In effect, windows which may be operated in large extent during operations and blow wide open in outburst and thus release pressures, are obviously preferable to the thorough job of venting that explosions are prone to wrought in their own way upon the unvented structure.

Fixed Sash Withstands More Pressure Than Concrete Walls

WINDOWS are essential for light and for safety of operation. All modern houses usually have huge areas of fixed glazed sash. As tests have indicated that the fixed standard double-strength 1/8th inch sash glass will stand pressures of 1,000 to 1,500 pounds per square foot, whilst 16 inch reinforced concrete foundation and sidewalls have collapsed on numerous occasions—leaving sash and glazing intact, it will be at once apparent how essential is the ventilated sash recommendation of the N.F.P.A. Venting Code to instantly release excess pressures.

Unlike the sprinkler system which operates only in case of fire, ventilated sash earn their keep, when operable in gangs or series or by electric motor, in that they permit of huge areas of atmospheric to be swept clean of dust-in-suspension by natural draft.

Moreover, many explosions have occurred when plants have been closed down, or during clean-up periods, etc. Automatic sash are always on the job, nights, Sundays, holidays, etc. Whether they're open or closed, they are just one jump ahead of any explosion which may start, and hundreds of times in over 22 years they have proved that that one jump was all that was necessary to beat ANY explosion.

Happy to Be Living, Regardless

WHEN you've witnessed thirty-five or more elevator operatives leave an exploded house, under their own footpower, hands and faces blackened, hair singed, eyebrows gone and mustaches with them, some of them stripped naked as the day they

were born (excepting for shoes)—brother you've seen something when you see the joy they revel in that they're still alive!

Some in other plants were not so lucky; they were caught in a roaring inferno. Theirs was a house which "didn't need" automatic sash..... Then, in company with the insurance adjuster, you go through the adjoining storage which is connected by a conveyor tunnel. You climb a hundred feet to the bin floor. One main wall is wide open, except for a dozen sash which are all barred tight shut. All the other windows on the opposite main wall and end walls ARE WIDE OPEN. The ceiling overhead is scorched and blackened.

The appraiser measures off 165 feet from where the conveyor gallery is located. "This is as far as it came in," he says. He looks around and surveyed the blank wall, then turns

ONTARIO EXPLOSION CODE

Have been very busy on the matter of a new dust explosion hazards code for our industry. Could write reams about it, but seeing that it is only in the formative stage there is not much sense in dealing with it too fully. However you may correctly assume that many orders will develop from it and from the Provincial Government which will be mandatory on all elevators, old and new alike.—Percy C. Poulton, N. M. Paterson & Co., Ltd., Ft. William.

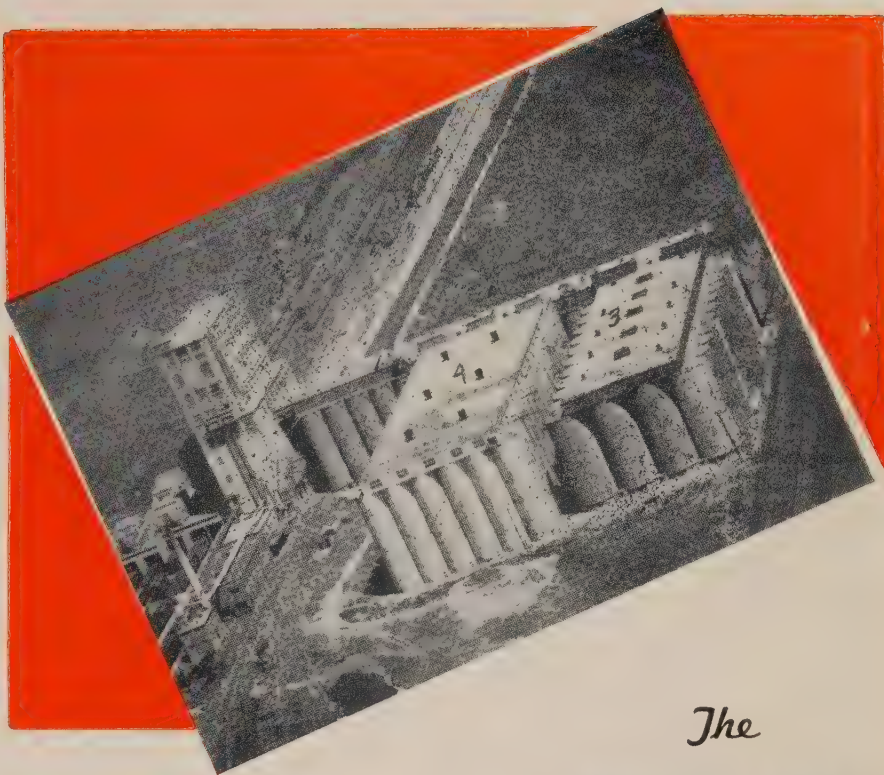
to estimate the runs of open sash. "Those automatic windows have saved a loss of at least \$250,000," the adjuster calculates.

Manning's Wisdom Bears Repetition.

BEARING the above in mind, read on further of what Ted Manning has to say in this article in November, 1945, GRAIN, namely:

"Sherman said 'War is Hell.' Men working in an elevator, breathing the dust every day, live in the horror of the moment when they may be blown out of the building, suffer disfiguring burns" [the heat may be anything up to 2,000° F], "be killed outright or crippled for life. Is it not something akin to war or Hell to go to your job every day with this fear ever present—for yourselves and your dependents—burning in your heart and mind?"

"There is nothing worse in war than is suffered in these dust explosions. The soldier goes into battle with a feeling of fear ever present during the battle. The battle over, he is re-



The WORLD'S LARGEST ELEVATOR

ATTESTS TO THE SUPERIORITY OF

In-Fil-Tro WEATHER-PROOFING

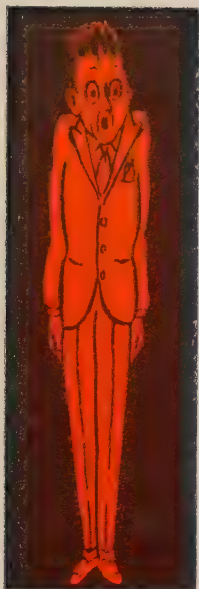
Everyone's heard of and seen pictures of the World's largest conventional-type concrete elevator—the 10,200,000 bushel Santa Fe at Kansas City, operated by the Davis-Noland-Merrill Grain Company, members of all the larger grain exchanges.

But did you know that 10 long years ago one section of this mammoth plant was water-proofed with In-Fil-Tro? . . . And that the work was so satisfactory that a second section was similarly treated the following year? . . . And that a year later the balance of this huge structure was Weather-proofed with this same, long lasting, satisfactory material?

Need anything more be said? . . . When you're ready to take care of your plant, investigate, then call in—

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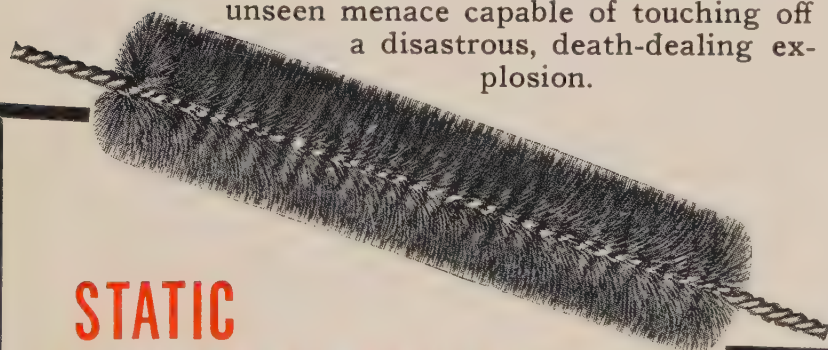


YOU HAVE A RIGHT TO BE *Scared* **STIFF** OF *Static!*

Listen to what David J. Price, an authority, has to say on the subject: "*Static Electricity must be recognized as one of the prominent causes of dust explosions.*"

Another authority, C. J. Mitchell of the Mill Mutual Fire Prevention Bureau recently stated that *dozens of dust explosions have been definitely traced to static charges as igniting factors.*

Mill and elevator belts running over pulleys create hazardous static charges, often as high as 4500 volts. A lurking, unseen menace capable of touching off a disastrous, death-dealing explosion.



STATIC ELIMINATOR BRUSH

"A Lightning Rod
For Belts"

Made up of thousands of fine, durable brass wire bristles interwoven between two heavy copper wires, the Static Eliminator Brush gathers static, breaks it down and grounds it . . . renders it absolutely harmless.

Easily and quickly installed on any belt and approved by Mill Mutual

Fire Prevention Bureau when properly installed and grounded.

Heed the warnings of authorities. Protect life and property against dangerous static. Avail yourself of this low cost, urgently needed safety measure, *now*. Write for details, today.

Send, too, for the big, new 1944 Seedburo Catalogue, if you have not already received your copy. Packed from cover to cover with money saving values in modern equipment.

SEEDBURO EQUIPMENT CO.

626 Brooks Bldg.

Chicago 6, Ill.

tired to rest and safety for a while. The noise of the battle, the shouts of comrades in the fray, all help the soldier to carry on.

"However, the elevator employee goes about his work every day, five or six days a week, every week in the year, in an insidious dust-filled atmosphere, not knowing what instant, or from where the gun is going to pop. Our dust explosion fatalities in this country in the past four years compared with the fatalities in munitions explosions, should make us hang our heads in shame. How long are we going to continue to 'lock the door after the horse is stolen'?"

Open Tanks Increase Hazard, He Thinks

HUNDREDS of explosions have definitely proved that automatic sash are more dependable as explosion relievers and destruction arresters than any other single agency. The proof is in the structures where explosions have occurred which are still standing intact, undamaged and operating. No practical business man can ask for more definite results.

True, automatic sash do not vent bins, but automatic panels on exterior walls will release pressures bursting within their range, whilst sidewall sash will release pressures bursting in bin-floor areas from exploding CAPPED tanks. We know of no means of protecting open tanks, as the atmospheric volume is too much of an unknown quantity.

Let there be no misunderstanding about it, ALL measures have their definite function and place in any design purporting to embody the ultimate in safety and efficiency. With men of the calibre of the Ted Mannings in the industry, with a lifetime of experience behind them, with up-to-the-minute views on practices and methods to suggest and pitfalls to avoid, the success of the labors of the Committee on the Venting Code should be practically assured.

What happens afterwards is up to the owner, the engineer and the designer of these huge plants. They must cope with the present insane, happy-go-lucky, take-it-or-leave-it course which usually ends up in stopping just short of what experience has demonstrated beyond question of a doubt is essential to safely engineered principles.

His Nom De Plume

Warden: And what's your name?

Prisoner: 477898.

Warden: That's not your real name.

Prisoner: Naw, that's just my pen name.

BELIEVES EXPLOSION HAZARDS CAN BE LICKED

I know the American Engineers can lick the problem of fire and explosion in larger grain handling and processing plants, or greatly diminish them if some encouragement and the necessary time and equipment is provided. This was proved during the war when we made millions of tons of ammunition of every type with a minimum of loss of life and property.—H. W. Puetz, Safety, Engineer, Milwaukee.

HYDROZO PRODUCTS MOVES

Hydrozo Products Company of Madison (Wis.) has moved into larger quarters to accommodate its expanding business, according to word received from Wayne K. Loveland, General Sales Manager.

The company manufactures mineral-based waterproofing compounds, either clear or colored, which are widely used by waterproofing contractors in treating larger grain handling and grain processing plants.

HAS PERFECT INSTALLATION

I now have a 1,000 bu. Hess Drier going, and I think it is the best installation in the Northwest. I can run the drier for 48 hours without turning a wheel in the elevator. When you come up here I want you to be sure to see this layout. Have been busy with this installation and other construction work all winter, but look forward to seeing all the Supers at the Cedar Rapids convention on May 23-24-25.—Edward J. Raether, Brooks Elevator Corp., SOGES Director, Minneapolis.

WINDY CITY VISITORS

Among the recent visitors in Chicago's Guest Book are: Burt Hales of Interstate Malt Co., Waterloo, Wis.; Edward E. Frauenheim Jr., G. J. Meyer Malt & Grain Corp., Buffalo; Bill Scates, Albers Milling Co., Seattle; Victor Reid, Hart-Carter Co., Minneapolis; Ray Seeker, Anheuser-Busch, Inc., St. Louis; Ed Josephson, Schreier Malt Co., Sheboygan, Wis.; Newton C. Evans, H. L. Peace Publications, New Orleans, and Hy Hudson Arendall, Innis-Speiden & Co., Omaha.

Doesn't Want to Miss

In order that your fine publication will be available to all interested parties upon receipt, we request that you address it to us at P. O. Box 2044.—E. J. Weitzer, The Ladish-Stoppenbach Co., Milwaukee.

"TAG" SERVICE AT CHICAGO

Among the many owners of Tag-Heppenstall Moisture Meters there are doubtless some who have meters that are in need of repairs. These meters should be overhauled every few years to be kept in accurate condition, and even though not in need of immediate repairs it is unsafe to take a chance on a breakdown during the grain harvest.

Post-war service has again been resumed by the Seeburo Equipment Co. of Chicago, now that parts and the necessary skilled technicians are again available. Having concentrated on moisture determination problems for the past 34 years, full particulars and shipping instructions are to be had for the asking.

Russians to Study Grain

The undersigned is interested in your magazine, in issues for 1945 and also back numbers for all of 1943 and 1944.—A. Bobrov, Department 11, The Government Purchasing Commission of the Soviet Union.

GENERAL BLOWER MAKES CHANGES

In co-operation with several of the progressive Chicago Supers, the General Blower Company is conducting a series of experiments designed to both speed up the unloading of cars and the cleaning up operation as well. In addition, other experiments are under way on portable dust collecting units, the success of which will be announced at the conclusion of present tests.

In an effort to better serve its growing list of patrons in the grain handling and processing fields, the company has combined its Chicago plant with its manufacturing facilities at an enlarged site in suburban Morton Grove, where the general offices are now located. A Chicago loop sales office has been opened at 510 N. Dearborn St., to accommodate local and transient customers.

When a woman likes a man, she's cool and aloof; when she dislikes him she's animated; but when she distrusts him—she's charming!

There are two funny things about Wilmer

The first is Wilmer's getup.

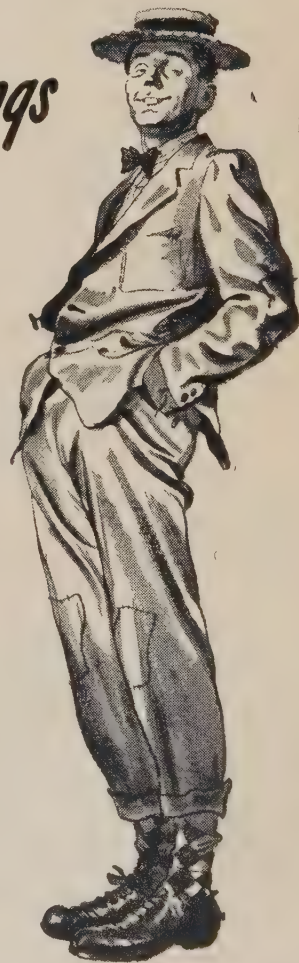
The second is that he doesn't care if he *does* look like a castoff scarecrow.

Because Wilmer's a lot smarter than he looks. While he's making more than he's ever made before—he's doing right by his country. The dough he'd spend for a fancy wardrobe goes right smack into War Bonds . . . and for this Uncle Sam is mighty proud of him.

Naturally, you don't have to look like Wilmer . . . or tramp around in rags . . . to make your country proud of you, and your own future a whole lot more secure.

All you have to do is keep getting those War Bonds—and then forget them till they come due. Remember—it's four dollars for every three, and the safest investment in the world!

Why not get an *extra* War Bond today?



**BUY ALL THE BONDS YOU CAN . . .
KEEP ALL THE BONDS YOU BUY**

High Production and Unity of Effort Vital to Economic Progress in 1946

"In the few months of reconversion that have elapsed since V-E day and V-J day, it has become clear that the keynote of our economy must still be expansion and high production," declares Harry A. Bullis, president of General Mills, in an article written for "Commercial West," Minneapolis financial weekly.

"High productivity can only be achieved by cooperation and a recognition by all of the unity of interests and aims," Mr. Bullis states. "Labor, management, farmers, consumers, the public in general will all gain by the maintenance of a highly productive industry."

Mr. Bullis feels that the present high purchasing power of the American people if combined with the factor of insufficient goods, will increase the threat of inflation. "The only way to prevent inflation is to produce the goods needed, and in so doing, labor will gain not only more jobs but more goods for its wage dollars."

The farmer, too, is interested in high production not only on the farm, but also in the factory, and in the products of industry which he needs. Mr. Bullis calls attention to the fact that the 30 million people living on farms in the United States must produce enough to feed not only themselves, but also over 100 million non-farm people.

"Industry intends to provide high levels of peace-time employment and it will need all of its accumulation of

war-time profits and more to accomplish this purpose. Industry will need to attract investment capital to help out, and investment capital will be available if it can be assured a reasonable return out of industrial profits."

In conclusion, Mr. Bullis says: "It is essential that fair rules of the game be established—fair to labor, to management, and to the public. It is essential that each group reconcile its interests into the common national interest, promoting the general welfare."

IN "HEDGEHOG" ROLE

The fire control instruments—or "mechanical brains"—of the "hedgehog," recently revealed as the Navy's most effective surface weapon against Nazi submarine wolfpacks, were designed and manufactured in the Minneapolis mechanical plant of General Mills, it was just disclosed by Harry A. Bullis, company president. "The project had an A-1 priority and was so secret that only a handful of the 150 precision instrument builders who worked on it knew what they were making."

The intricate instruments automatically enabled the "hedgehog" to keep its 24 rocket projectiles trained on the target regardless of the roll and direction of the ship or movement of the enemy submarine. They replaced depth charges during the war.

Sole producers, General Mills turned out over 1200 sets of the instruments. Because of its extreme accuracy, production of the unit required very close tolerances and was one of the jobs for which the men and women of the plant received the Army-Navy "E" Award. The Navy credits the "hedgehog" with playing a dominant role in sinking some 300 German submarines.

LABOR UNREST "EMOTIONAL"

The present general labor unrest is "mostly emotional" and results from a feeling of insecurity in the workers during the transition period, Dr. Raleigh W. Stone, Professor of Industrial Relations at the University of Chicago, told the Annual Midwest Conference of the Industrial Relations Association at a meeting on the campus.

There is no economic need for even a small wage increase, he said, but a small boost might be wise within the next few months because of the emotional problems involved. Dr. Stone, who condemned as "utterly foolish" the action of the government in removing wage controls after V-J Day, has appeared before the Chicago SOGES Chapter in the past.

WILL PUBLIC OPINION STEP IN?

With all the strikes pending and the prospects of many more in the offing before the general situation has any chances of improving, I am wondering if old John Q. Public will not soon raise up and demand some kind of curb on the governmental coddling and fostering of the labor big-wigs and their racketeers, so the reconversion program might be carried out and the country again regain some sort of normalcy?—HCB.

180,000 Sq. Feet of Surface renewed with GUNITE and SURFACITE!

THE KELLOGG CO.,
BATTLE CREEK, MICH.



All the cracks in this fine-looking elevator were repaired by forcing tough-bonding Gunite into them at a high pressure.

Then the whole structure was thoroughly waterproofed with an extra thick coating of Surfacite.

For a better than new job, write

JOHN D. BOLTON & CO.
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For Your Bulletin Board

We believe that each Superintendent will find some way of using these reminders to good advantage. Where you have bulletin boards or blackboards, you may wish to post (or write) these reminders on those boards. You may also use them for your own series of instruction cards, pay-roll inserts, etc.

By using the entire series, either on bulletin boards or by distribution to all employees, you will reach all workers in the plant with a succession of messages which will call their attention to all known hazards at least once during the year. SOGES Safety Contest Director Clarence W. Turning invites your comments and suggestions.

1. Infection can take your arm, your sight or your life. Get first aid promptly.

2. We must even be careful when we grind the axe that helps us to "cut down" accidents.

3. When piling material near the railroad tracks, be sure to leave sufficient clearance.

4. Torn or lose clothing, flopping blouses and flying neckties may catch in machinery.

5. Unsafe conditions and unsafe acts are the two main causes of accidents.

6. Inspect hand trucks daily. Do not use them if they are in unsafe condition.

7. Never remove a safeguard unless instructed to do so. Replace it as promptly as possible.

8. Most of our misery and nearly all our misfortunes are the result of making the same mistake several times.

9. A poor ladder, improperly used, multiplies the chances for an accident.

10. Other's lives may depend on how well you do that repair job.

11. The only way to have a friend is to be one.

12. Do not crawl under cars.

13. How are your fire barrels? 4 lbs of calcium chloride to each gallon of water will make a good anti-freeze mix.

14. Before leaving a machine, turn off the power—and wait until the machinery stops.

15. It is not the knowledge of safety, but the practice that counts.

16. Inspection is visualizing an accident before it happens.

17. Special care should be given to hand railings during the winter season. They are used frequently and should be secure.

more so during the season of poor footing.

24. A needle without an eye is utterly useless. Watch your eyes.

25. Good will, like a good name, is gained by many actions, and lost by one.

26. Never hang an extension cord over nails or sharp edges, or allow it to become kinked.

27. Keep your walks and stairs free from ice and snow. Watch your step.

28. Character is the result of two things, mental attitude and the way we spend our time.

29. A backbone is better than a wishbone any time. Protect your backbone by lifting properly.

30. Take all the experience and judgment of men over fifty out of the world and there would not be enough left to run it.

Who Cares

"Accidents cost us heavily in lives and materials. Improved machines can prevent some accidents. Better methods will stop others. But human failures cause by far the largest number, and these cannot be wiped out by changes in machines or methods.

"The secret of doing a job safely is caring. Doing it the way you would work for yourself or your best friend. No fooling around. No risks taken that you may regret. No disregard of safety instructions. No 'cutting corners.'

"The answer for carelessness is a man who cares."—C. K. Wilson in Food Machinery Corp.'s *Time Out*.

"Never tell evil of a man if you do not know it for a certainty; and if you know it for a certainty, then ask yourself, why should I tell it"—Lavate.

COMMENDS SAFETY MANUAL

We have just finished reading the SOGES Safety Manual, and feel that it is just about the best thing of its kind we have come across. Clarence Turning and all who assisted in the preparation of this Manual deserve a world of praise and congratulations.

I would appreciate if you would forward 100 copies of this informative text for distribution to all of our employees.—Charles J. Winters, Superintendent, Public Grain Elevator, New Orleans.

18. We know that goggles save eyes. That's why we insist they be worn on jobs requiring them.

19. Don't thaw water pipes with an open flame. Wrap pipes with cloths and pour hot water on them.

20. The greatest deceiver is one who deceives himself.

21. Do not walk on stairways with hands in your pockets.

22. Check all cars and unloading machines, before unloading.

23. Walking in front of a car or engine is dangerous at any time, but

FIRE EXTINGUISHERS

Protect your plants and property by having the RIGHT Fire Extinguisher handy for use.

We have a complete line, ready to ship. SODA & ACID — FLOAFOME — FOAM — PYRENE (Carbon Tet.) — CO₂ (SNOW) Carbon Dioxide — Water Type. All sizes and types. Write for data and prices.

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CEDAR RAPIDS, IOWA

WANTS THE ANSWERS

Here are six questions concerning various problems inherent in the grain, flour, feed, starch and soybean industries, writes Don Hansen, Safety Director of International Milling Co., Minneapolis, and chairman of the National Safety Council's Food Section Committee on Grain, Flour and Feed.

What is your answer to these problems? Write your ideas to GRAIN so all may profit:

Will You Answer These?

1. Can you give us your experience with liquid belt dressing and

how it compares with stick belt dressing in prevention of accidents?

2. Squeezing between couplings and climbing over car couplings is an unsafe practice. What can be done, however, when it is necessary for men to get another track in a hurry and cars are in the way?

3. Cleaning down the walls in stair wells is a very dusty operation, as well as cleaning down the inside walls of the plant proper. Can you advise if an industrial heavy duty vacuum cleaner is at all practical for starch, grain or flour dust?

4. Admittedly, the act of riding grain shovels is an accident breeder,

still men do it. Is there anything we can do to prevent this?

5. We do not have a freight elevator in our plant and it is necessary for us to take chloride tanks, etc., up into the upper stories. Is there any way we can make this a safe operation?

6. Has anyone ever designed a satisfactory roll carrier for use in a mill? If so, we would like to hear of it.

LOSES LEG

Loss of one leg and serious injury to the other was suffered recently by a car cooperer when the leaky car he was plugging on the underneath side was bumped by another car just released by a mill. The latter car rolled down a slight incline with such force as to make it necessary to jack up the hit car to extricate the worker.

RUNAWAY HORSES

Some of us can remember when about the most dangerous vehicle on the streets was a wagon behind a team of runaway horses.

Remember that old cry "Run-away"?

Mothers would anxiously look for their children. Some people would run from the danger. Others would run to see the sight.

When a team of horses got started they would run until exhausted or until someone who understood horses got hold of them.

Of course, if that understanding handler had been holding the reins, the runaway would have never started.

Some of our plants seem to have been seized by a runaway panic as far as accidents go. Since we didn't have the steady hand of a good safety program holding the reins, we now have a harder job of checking the trouble in full flight. We can't let this thing run on unchecked until a really serious injury occurs. We must stop it.—Paul J. Christensen, Van Dusen-Harrington Co., Minneapolis.

Wants It Continued

We would appreciate your advising by return mail the status of our subscription to the magazine GRAIN. We want to continue it.—E. E. Powers, Ass't Mgr., Stanard-Tilton Div., Russell-Milling Mfg. Co., Alton, Ill.



No, no! This isn't a quip about your in-laws. Nothing at all like that.

You, like every other grain storage operator, want to be relieved of rodents. The job may be done with poison, traps—and one bright soul lately evolved a scheme for laying sticky surfaces to catch rats by the feet.

A much better way, however, kills them by the score—or the hundred. It's a powerful tear gas fumigant.

Larvacide

CHLOROBACIN

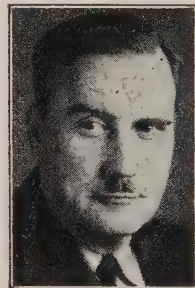
is the name, well known to plant operators for more than two decades. There's nothing small about the way Larvacide works.

Lay down light dosage Saturday

night and come in Sunday morning with willing broom and shovel, for which there'll be heaps of work. You see Larvacide drives rats out of retreats, to die on the open floor without carcass nuisance. Use Larvacide for insects, too. It kills every kind, along with their larvae and egg life.

Self-warning—No fire or explosion hazard—Packaged in cylinders of 25, 50, 100 & 180 lbs., and 1-lb. Dispenser Bottles—and stocked in most major cities.

Write for literature.



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WHEEL BLOCKING DEVICES

I have seen several situations lately indicating a need for better wheel blocking devices for both railroad cars spotted for loading and unloading, and truck wheels parked on an incline.



At one individual plant cars were on a slight grade and the blocking consisted of grain doors. In one case the grain door had just about been chewed through.

Some trucks around Milwaukee carry blocks, but they are not shaped right. They are made of wood, and I doubt if they would be very efficient. One large fleet here has done some good work on this, but their operations are so different that I doubt that their device could be used by others unless it was modified or adapted to their purposes.

Perhaps someone in our group has solved these problems and can give us some helpful advice. Can you?—Clarence W. Turning.

Suggests Vet Safety Refresher Course

War veterans returning to jobs in industry should be re-introduced to the fire and accident safety program. Many will find processes revised; others may have become "rusty" in the plant safety techniques. A "refresher" course in fire and accident safety, therefore, can be helpful in protecting both the veteran and the plant.

Because industry seems a very safe place, by contrast with a bomber or foxhole, veterans may look upon safety precautions as over-cautious. A tour of the plant can dramatize the importance of fire and accident safety rules. The Safety Engineer or Foreman can point out scenes of past fires and accidents, special fire and injury hazards, and measures now taken to prevent repetition from each of these hazards. It is especially important that safety rules, such as the "no smoking" rule, are understood to be not just arbitrary orders, but essential safeguards to the worker and the plant.

All returning veterans, like all new employees, should be given careful in-

struction about the fire alarm system and the location of fire extinguishers and other fire-fighting equipment. They should also be given an early opportunity to participate in a fire drill.

Many servicemen have had a part in fighting fires, handling flammable and explosive materials, etc. They should be encouraged to make suggestions and tell their experiences to their fellow employees. Hand fire extinguishers have played an important part in saving lives and equipment on ships and in planes, tanks, and other war vehicles. The experiences of the veteran may help other workers to understand the importance of such equipment and its intelligent use in emergencies. Where there is a plant fire brigade, the veteran may be qualified to join, and, in some cases, to take a leading role. In such ways, the veteran not only becomes familiar with the plant fire safety program, but helps to make other workers "fire conscious."

To feel another's joy as one's own, that is love.—Swedenborg.

THE GREEKS HAD A WORD FOR IT—



**ITS ENGLISH EQUIVALENT
IS SATISFACTION!**

Of utmost significance to you as a belt user is the fact that many Imperial customers have stuck by our belting continuously for nearly *four decades*.

Send for their names and the performance records; compare; then just follow your own good judgment. No obligation, of course.

"BELTING SPECIALISTS SINCE 1910"

IMPERIAL BELTING COMPANY 1750 S. Kilbourn Ave., Chicago, 23, Ill.

THEY'RE YOUR TEETH; TAKE CARE OF THEM

A lot of people labor under the delusion that unless a tooth actually hurts, you need not pay any attention to it—and that's just about what it is—a delusion. For at least 98% of us are afflicted by tooth decay—the most common of all human diseases.

A toothache is nature's warning that something is wrong. Often a tooth that has started to decay can be saved, but it's a lot wiser to prevent such decay before it even starts.

The phrase, "See your dentist twice a year" is a trite one—but it still contains a lot of good advice. But there's a lot more to keeping your teeth strong than just that.

Diet plays an important role in preventing tooth decay. Plenty of fruit juices and milk, enriched bread, leafy vegetables and lots of raw fruit help combat decay. Food should be chewed thoroughly and well, too.

Proper brushing of the teeth removes the film and food particles from the mouth and thus retards tooth decay. The best method of brushing is up and down, stroking from the gums down to the biting edge. The left-to-right movement often irritates tender gum surfaces around the teeth as does the rotary method.

Remember these four simple rules in caring for your teeth:

1. Eat the proper food.
2. Chew your food thoroughly.
3. Brush your teeth daily, preferably after meals.
4. Visit your dentist regularly.

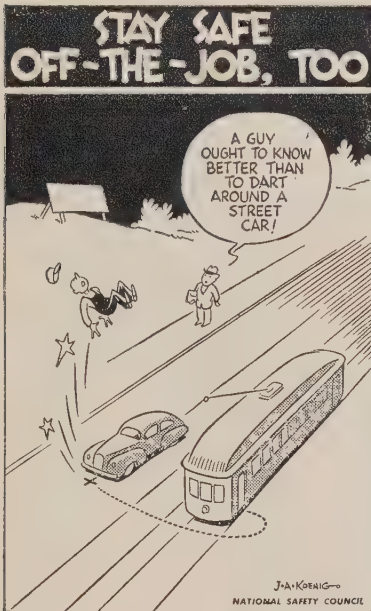
CENTRIFUGAL FORCE NEARLY GOT HIM

Not well informed about choosing grinding wheels of the proper speed to fit various machines, a machinist installed a larger one. The new wheel was shattered by centrifugal force and the flying fragments almost cut off his arm.



NATIONAL SAFETY COUNCIL

Remedy: The large wheel was not designed for use at such high peripheral speed and was not safe on the high speed machine. Consequently the shop supervisor was held responsible for this accident, inasmuch as he had not given the employees specific instructions about unauthorized changes of equipment.



This 1 APPLIANCE ... DOES THE WORK of 4



DUST BLOWER

Dust is a great hazard ... a frequent cause of fire, motor burn-outs, shut-downs, and other troubles. Beat this hazard with a Seedburo Portable Electric Blower.



INSECTICIDE VAPORIZER

By attaching a one gallon metal spray tank in place of the rubber hose the Seedburo Blower is easily converted into a powerful sprayer ... highly successful for spraying insecticides around piled bags, elevator legs, machinery, etc. Shoots a fine mist spray 18 to 20 feet.

Here's a great piece of equipment ... 1 tool that does 4 different kinds of work.

First, and most important, it's a Portable Electric Blower ... powerful, durable, and rugged ... especially designed for heavy duty in elevators, seed houses and factories. Easy to use. Gives a powerful, clean, dry blast of air when connected to any electric socket.

Four models available, 4A—1/4 H.P.—\$43.45; 6A—1/3 H.P.—\$54.45; 8A—3/5 H.P.—\$71.50; 10A—1 H.P.—\$92.95.

VACUUM CLEANER

Standard attachments quickly convert this blower into a high power vacuum cleaner for bins, chutes, shelves, etc.

PAINT SPRAYER

Other attachments change this appliance into a paint sprayer especially suited to small and medium sized indoor jobs.

HEADQUARTERS FOR EQUIPMENT

Seedburo is Headquarters for grain, seed house and plant maintenance equipment and supplies:

Moisture Testers	Thermometers	Bag Trucks	Respirators
Sampling Devices	Seed Germinators	Insecticides	Scales, etc.

SEEDBURO

EQUIPMENT COMPANY

626 BROOKS BUILDING • CHICAGO 6, ILLINOIS

WORLD WHEAT CROP SMALLEST SINCE 1929:

World wheat production in 1945, totaling about 5,200,000,000 bu., is the smallest since 1929 and 8% less than in 1944, according to the USDA's Office of Foreign Agricultural Relations.

The decrease is the result of below-average harvests in all areas except North America and Asia where total production was considerably above average but smaller than the year before. The great production drop was in Europe where the total 1945 wheat harvest is estimated at about 1,035,000,000 bu. or 36% smaller than prewar.

The small world wheat crop, accentuated by world shortages of other grains, has resulted in 1945-46 world import needs for wheat greatly exceeding the supply despite surpluses much above prewar world exports. The increase in wheat import requirements has come chiefly from Europe and North Africa. Larger shipments are needed by regular importing countries, and sizable shipments are needed by several countries which normally are wheat exporters. India also is seeking wheat imports because of its poor wheat crop prospects and a shortage of rice.

Surplus stocks in Argentina and Australia are below normal, following smaller than average production in 1945-46, and are not expected to exceed 150,000,000 bu. during 1946. Smaller than average surpluses in these countries has meant that Canada and the U. S. are the chief suppliers of the estimated probable exports of 850-900,000,000 bu. during the crop year beginning July 1, 1945, and ending June 30, 1946.

Bread rationing is continuing in most countries, with further reductions in rations expected, because of the unfavorable wheat supply situation. Milling extraction rates are being increased in some deficit areas to stretch supplies.

World wheat acreage and yields both decreased in 1945, the former dropping 8% below the 1935-39 average compared with a 12% decline in total production under the same prewar period. The near record acreage and record production in the U. S. were in decided contrast with the low level acreage and yields in other parts of the world.

The wheat harvest in the prewar boundaries of the Soviet Union in 1945 is believed to be the highest since 1942, but still considerably below average. The gain is attributed to increased acreage rather than to increased yields.

LOCUSTS GOBBLE ARGENTINE GRAIN

Hordes of locusts are swarming across Argentina's wheat and corn belts, destroying crops that might have helped feed hungry Europe. Normally Argentina is second to the U. S. in wheat and corn exports, but the government estimates this year's wheat crop at 36% under last year's.

Of the 149,000,000 bu total crop about 108,000,000 bu will be available for export, if the farmers stop burning wheat for fuel, however Brazil will take half this amount for her requirements.

TO CALL WHEAT LOANS

In an effort to increase the supply of wheat available to mills in the Southwestern and Eastern states, loans on 1945 crop farm and warehouse stored wheat in 22 states will be called two months ahead of expiration on March 1. In addition, full parity price for 1945 crop wheat still under government loan in all states is offered. CCC held 43,391,000 bu on Dec. 31 as collateral for loans, of which 13,000,000 bu was under loan in the states where loans are to be called. Only half the export quotas have been shipped.

SHIPPING FIGURES IMMENSE

Please watch the season of 1945 shipping figures out of these two ports. They are going to be of record proportions and will prove again that these two head-of-the-lakes ports are the biggest grain handling ports in the world.—Percy C. Poulton, N. M. Paterson & Co., Ltd., Fort William.

CARLOADINGS STILL AHEAD

Cars loaded with grain and grain products during the current period are still showing an increase in tonnage being handled over previous years, and to Dec. 8 were 8.6% ahead of 1944 and 3.2% ahead of 1943. Loadings were for the weeks ending:

	1945	1944	1943
Dec. 8.....	58,863	44,175	53,391
Dec. 1.....	58,810	47,694	56,351
Nov. 24.....	50,773	45,578	50,831
Nov. 17.....	55,889	52,035	55,055

MEAL SET-ASIDE 5%

Soybean, linseed, cottonseed and peanut meal totaling 5% of production must be set aside by processors and shipped to designated states which are short of their equitable share of meal supplies of protein, reports USDA. Sales are to be made through regular trade channels.



THE FACT STILL REMAINS
that
SUPERIOR ELEVATOR CUPS
are
MADE STRONGER
will
LAST LONGER
have

GREATER CAPACITY

and will operate more efficiently at less cost than other elevator cups.

"DP" - "OK" - "CC" - "V"

write to

K. I. WILLIS CORPORATION
MOLINE, ILLINOIS

for names of distributors
and analysis form No. 20

HIGH CAPACITY GRAIN CLEANING EQUIPMENT for TERMINAL ELEVATORS!



NEW PRIORITY-RATED
EQUIPMENT AVAILABLE
FOR ESSENTIAL NEEDS

Hart-Carter normally offers a complete line of special, heavy-duty cleaners for terminal elevators. Included are the 2564 Carter Disc-Cylinder Separator, combining discs and cylinders; and the all-cylinder 45 Hart Uni-flow Grain Separator. These machines offer a profitable answer to whatever cleaning, grading, separating or processing jobs you may be called on to handle.

HART-CARTER COMPANY

670 Nineteenth Ave. N.E.

Minneapolis, Minn.

CORN GRIND UP

During November 9,386,905 bu. corn was ground for domestic consumption by the eleven refiners, which was quite a substantial increase over previous months.

FLOUR PRODUCTION DOWN

During November 1,046 mills ground 52,402,665 bu. wheat as compared with 57,751,854 bu. ground by 1,039 mills the month before, and 48,010,744 bu. ground by 1,015 mills during November of 1944.

INSTALLS CAR DUMP

A car dumper has been installed in the Burlington Elevator at Kansas City, operated by the Norris Grain Co. An average of 10 cars an hour is expected to be unloaded.

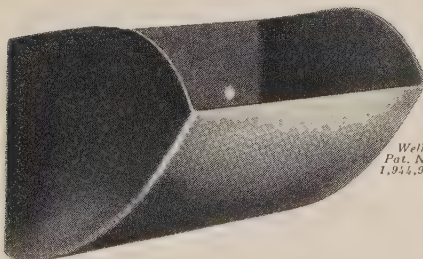
CAR DUMPER FOR OMAHA

We hope to have a new Richardson Car Dumper installed some time before the corn crop moves next fall. This addition will greatly enhance the efficient operation of the house.—Vincent Blum, Omaha Elevator Co., Council Bluffs.

MORE RICHARDSON DUMPERS GOING IN

The Eastern States Milling Company will install 40-foot Richardson Car Dumpers in its plant at Buffalo, as well as in its new \$3,500,000 unit now under construction at Huron, Ohio.

It is not the oath that makes us believe the man, but the man the oath.—Aeschylus.



Weller
Pat. No.
1,944,932

WATCH YOUR ELEVATOR LEGS "STEP-IT-UP"

Replace old style buckets on one of your elevator legs with the Calumet Cup, the Elevator Bucket with the Logarithmic Curve. See for yourself how grain handling is speeded up . . . handling time and cost reduced. Make this positive revealing test and you will let no grass grow under your feet before all old style buckets are replaced with the

CALUMET Super Capacity Elevator **CUP**

To learn how much increased capacity you can obtain, write for Form 35.

B. I. WELLER CO.

327 S. La Salle St. Chicago 4, Ill.

GLF LEASES MILWAUKEE PLANT

G.L.F. of Ithaca, N. Y., has leased the Archer-Daniels-Midland Co.'s flaxseed plant in Milwaukee, and will convert it to processing soybeans. Using hydraulic presses, the unit can crush 15,000 bu. of flaxseed weekly.

LEASES PORTLAND UNIT

The Washington Co-op. Farmers Ass'n of Seattle has leased the Archer-Daniels-Midland Co.'s flaxseed plant at Portland, Ore., and will convert it to processing soybeans. The unit has a capacity of 8,000 bu flaxseed weekly.

RAHR BUYS INTEREST

The Rahr Malting Company of Manitowoc, Wis., has purchased an interest in the Great Western Malting Company of Vancouver, Washington.

TO ADD DRIER

Archer-Daniels-Midland Co. has taken out a \$100,000 building permit covering construction of four-story concrete grain drier addition in Minneapolis.

NEW TERMINAL FOR IGLEHEART

An 800,000 bu terminal addition, complete with work house, is under construction for Igleheart Bros. at Pendleton, Ore. Completion is expected by June 1.

TO DOUBLE CAPACITY

Soybeans as well as flaxseed will be processed in the Fredonia, Kan., plant of the Archer-Daniels-Midland Co. just as soon as crushing facilities are doubled. To cost \$300,000, the expansion program is scheduled for completion by July 1st.

TO BOOST CAPACITY

The storage capacity of the Quincy (Ill.) Soybean Products Co. will be increased to 600,000 bu and the processing capacity is to be stepped up to 1,500,000 bu annually.

RUSH COMPLETION OF PLANT

Emergency priorities for reconstruction of its processing plant, destroyed by fire on June 16th, were granted the Galesburg (Ill.) Soy Products Co. last month.

LAUNCH \$200,000 PROGRAM

Within the next two years Ralston-Purina's plant at Fort Worth is to be doubled in capacity. Equipment and machinery for the first stage of the \$200,000 expansion have been ordered.

LAUNCH \$6,000,000 EXPANSION

A \$6,000,000 expansion program is announced by the Southern States Co-op., \$2,000,000 of which will be invested in a feed mill in Baltimore of twice the capacity of the present plant of 45 carloads of feed daily. Another \$1,000,000 will be expended on their feed mill and elevator in Cincinnati, as recently reported in these columns.

NEW LINSEED PLANT

A new linseed oil processing plant to cost up to \$750,000 is to be constructed for the Archer-Daniels-Midland Co. in Minneapolis.

ALLIED MILLS TO BUILD

Allied Mills reports it intends to build a new soybean processing plant in Peoria to replace the one now operated on the property of the National Distillers' Corp. Another soybean plant was also announced, but its location was not disclosed.

TO DOUBLE CAPACITY

Plans to double the storage capacity of the Port of Tacoma (Wash.) terminal are under way, according to announcement of Port Commissioner Fred Marvin. Present capacity is 550,000 bu.

LIPSCOMB TO BUILD

A 200,000 bu addition will be added to the Springfield, Mo., terminal operated by Lipscomb Grain & Seed Co., Inc., grain, feed and seed firm. A complete four-story concrete seed processing plant will permit further expansion of its seed business.

FROM SHIPS TO GRAIN

Cargill's war-time ship building yard at Savage, Minn., just south of Minneapolis, will be the site of a grain terminal and a flax mill. A fleet of river barges are likewise considered.

NEW SOY UNIT OPERATING

The output of the new soybean unit built by the state owned North Dakota Mill & Elevator at Grand Forks is being used entirely by the adjoining feed plant.

BUILDING MORE STORAGE

A 200,000 bu addition is under way for the Arkansas Mills, Inc., of West Memphis, Ark., as part of an expansion program. Modern loading and unloading facilities and other new equipment will be installed later to increase the company's soybean processing capacity by 130%.

FRANKS TO ELECTRIC ASS'N

C. Gibson Franks, widely known in Chicago grain plant Supers' circles, has joined the staff of the Electric Association of Chicago as assistant to the Manager. He will be engaged in personnel, public relations, and promotional activities primarily.

"Gib" is the clever author of a long series of "Snooper, the Boiler Room Cat" safety illustrations that have appeared on these and other pages. His handiwork illuminates the SOGES Safety Manual, and he has written a number of feature articles on both safety and kindred terminal grain plant subjects.

"I feel I owe you a lot for the encouragement you always gave me in my safety promotion cartoons and articles," he recently wrote in one of the rare letters of this kind that reach an editor in a lifetime. "I believe the background they established for me helped greatly, along with office experience I got with the Navy, in preparing me for this new association."

RALSTON-PURINA CHANGES

Don K. English, formerly Manager of the Ralston-Purina plant in Davenport, is now Manager of the company's Engineering Department in St. Louis.

F. J. Davis, formerly Superintendent at Davenport, is now Manager at Tampa, Fla.

John Burrows, just returned from service and formerly Manager for the Company at Richmond, Indiana, is now Manager at Davenport.

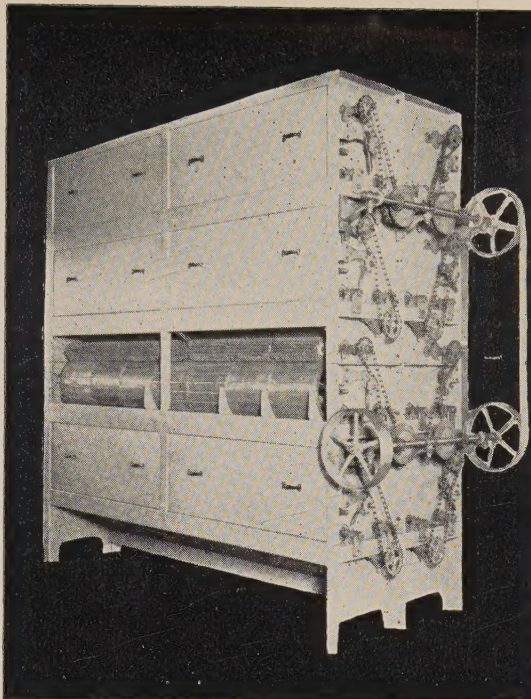
OUR MISTAKE

Our apologies to Messrs. O. B. McCall and C. P. McWilliams of Topeka, Kansas, for getting their affiliations mixed up in our November issue.

In reporting the construction of a new 1,000,000 bu. terminal elevator with headhouse at Kansas City for the Farmers Union Jobbing Ass'n, we mentioned that the company now operated a 1,250,000 bu. terminal at Topeka, of which Mr. McWilliams was the Superintendent. We should have reported that Mr. McCall was the Super there. Sorry.

Spread It On

If you pass out joy, it is natural that some of it is going to stick to you. In other words, every man creates the atmosphere in which he lives. What have you done today to bring cheer into your own and others' lives?—The Ink Spot.



ANNOUNCING the New, Improved PRINZ GRADING REELS for Barley—Wheat—Oats

Scientifically designed to separate the kernels according to size. Results are positive—No chance for variation.

Five separations possible at one time.

Always a good money-maker. Ask your neighbors about it. And get your order in today for delivery next season.

Order from

PRINZ & RAU
Manufacturing Co.

1301 N. Water St.,
Milwaukee, Wis.

LONGEVITY

That's what you get when you waterproof with HYDROZO—the colorless mineral waterproofing for concrete, brick, and wood surfaces. Have your contractor use it. Write for full details to

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2306 University Avenue Madison 5, Wisconsin

Fire and Dust Proof Removable Section

ELEVATORS

ELEVATOR CASINGS

SPIRAL CONVEYORS AND BOXES

SPOUTING AND BLOW-PIPING

THE "MILWAUKEE" CYCLONE DUST COLLECTOR

COMPLETE ELEVATING, CONVEYING AND
DUST COLLECTING SYSTEMS

L. BURMEISTER CO.

MILWAUKEE

WISCONSIN

RAETHER; GIBBS WITH BROOKS

Ed Raether is now with Brooks Elevator Corp., and replaces T. J. Graham who, I understand, is taking a rest. The latter named was with Osborne-McMillan Co. for many years.

Jack Gibbs is also at the elevator along with Ed Raether.—Jim Auld, Hales & Hunter Co., Minneapolis SOGES Secretary.

MATTIMORE SUCCEEDS PAUKEN

Carl Pauken left us a short time ago to enter the barrel and box business. His yard is across the street from our plant. He is doing well. An elderly gentleman owned the yard and wanted to retire. He wanted Carl to have it and made him a fine proposition.

M. E. Mattimore is Carl's successor and is doing a good job, both as traffic manager and superintendent of the plant.—Sam L. Rice, President, Rice Grain Co., Toledo and Metamore, O.

Wants His Own Copy

I have read GRAIN for several years. Am finally subscribing for it myself. I particularly like articles giving any information for the better handling and conditions of grain.—R. M. Lamb, Ass't Supt., Wichita Terminal Elevator Co.

CONVENTION TO MIAMI?

The Miami Chamber of Commerce has cordially invited the Society of Grain Elevator Superintendents to hold its next convention in that fair city, reports Herbert C. Brand, Quaker Oats Co., Cedar Rapids, association president. While the idea sounds fine and I know we'd all enjoy the trip, yet to get down to business on our next conclave we have yet to find any grain center where the hotel room situation is conducive to making arrangements this far in advance. As a matter of fact most hotels we have contacted simply are not booking conventions at the moment.

Our last convention, in June of 1944, requested that arrangements be attempted first in Buffalo, second in Fort William-Port Arthur, and third in Kansas City. If committees of members in those cities will investigate further for us and communicate with our secretary's office we'd appreciate it—just as we would an official invitation from them to meet there. Resorts offer the only present alternative apparently, but that would rob the delegates of our much looked forward to "post-man's holiady"—the perennial plant inspection trips. But let's have any and all suggestions from the membership and prospective

delegates. . . . Would Niagara Falls "ring the bell"?

PETERSON TO SEATTLE

Finally decided to get out of the elevators and stay out this time. Mrs. Peterson and I spent a miserable winter in Baltimore, and the elevator I was operating was inadequate for the type of grain handling placed upon it. So-o-o-o here we are in Seattle again and getting along fine. Bought a home and we are fixing it up to suit ourselves.

Am working as an electrician in the Puget Sound Bridge & Dredging Co. yard, and like it very much. Fisher Flouring Mills have a new Super from Oklahoma, but I haven't been down to say "Howdy" to him yet. Understand they are on a 40-hour schedule now.

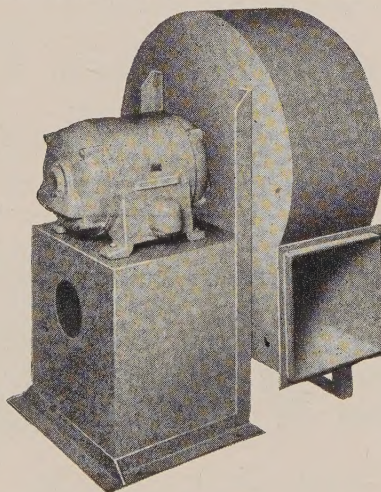
Our worst pest here is the earwig, which gets in wherever he can. Very few flies or mosquitoes to bother with. Big black cherry trees grow right in our back yard. Mt. Rainier can be seen on clear days with its snow capped top. We were up part way one Sunday and did we ever get sunburned. (I couldn't shave for three days afterwards.)

Remember me to all the boys. My address is 3012 Walnut Ave., Seattle 6.—Frank A. Peterson.

"GENERAL" BLOWERS AND EXHAUSTERS

Improved designs of
all types for every

ELEVATOR AND MILL SERVICE



Steel Plate Exhauster

Steel Plate Blowers and Exhausters—

For air moving material handling.

Disc and Propeller Fans—

For ventilation and dust disposal.

Industrial Vacuum Cleaners—

For dust and spillage pick-up.

Roof Ventilators—

In rotary and stationary styles.



GENERAL BLOWER CO.

Engineers and Manufacturers

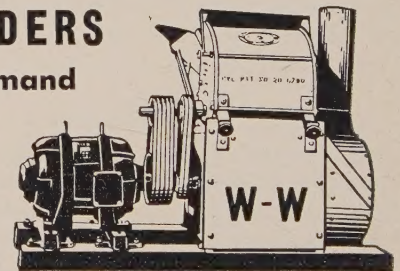
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MORTON GROVE, ILL.

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506 N. Dearborn St.
CHICAGO 10, ILL.

For FAST GRINDING at Low Cost on Low Power

W-W GRINDERS

Meet Every Demand
of Large Users



Model F-22-M—15 to 25 hp.
18" feed opening for fast grinding.

The model illustrated is ideal for the small mill or for the many small, quick jobs not suited to your heavier equipment. From eleven modern models, you can select a W-W to best meet each need of your mill. Note these features of all models:

- Grind to any fineness or pulverize.
- Adaptable to dry, wet, greasy or stringy material.
- Exclusive and famous W-W Star Cylinder.
- Heavy, rigid cast frame, shaft, bearings—all built over-size according to horsepower requirements.
- Big feed openings for fast, easy work, up to 36" wide.
- Built for low power and low upkeep costs in relation to big capacity, and reasonably priced.
- Less friction, providing lower moisture loss, cooler grinding.

Use W-W equipment for bigger profits and satisfied customers in all grinding work. Write for literature on any type of grinding.

W-W GRINDER CORP., Dept. 319, Wichita, Kansas

GOOD YEAR AT MINNEAPOLIS

Our SOGES Chapter has enjoyed quite an active year. Meetings have been very well attended, and we have been fortunate in procuring good speakers. Our Ladies' Night dinner-dance was a huge success with over 150 in attendance. The program was good and the party was plenty lively.—E. L. Dietmeier, Archer-Daniels-Midland Co., President Minneapolis SOGES Chapter.

NEW MEMBERS PILING IN

We have secured several new members and have four or five that we should sign up soon. I am sure that we will show an increase of about twenty new members for this fiscal year.—Ward Stanley, Standard Milling Co., Kansas City SOGES Chapter President.

CONVENTION IMPOSSIBLE THERE

It is entirely out of the question to think of holding a meeting of the Society here next summer. The matter of travel and hotel accommodations was never more acute in Canada than at this time, and with summer American tourist travel added in the summertime it should be nigh impossible to get around. Furthermore, the Avenue Hotel, which Roy Heinrikson used to say "was down by the vinegar works," burned down, cramping our housing facilities still further.—Percy C. Poulton, N. M. Paterson & Co., Ltd., Fort William.

B.Y.O.L.

Some folks like a cocktail before dinner; others don't. Some folks have no objection if the next person imbibes in a gentlemanly manner, even though he may not partake himself. "What is one man's meat is another man's poison," some wit wisecracked, but inasmuch as the attitude of the SOGES membership on overindulgence is pretty widely known and because a commendable reputation in this connection is well established, we do not feel that a word on this subject is out of place.

Beer and ale alone are available in Iowa, except through state stores, and no practical provisions have been established for transients therein. We do not wish to see anyone robbed and then get inferior merchandise on top of that, thus this article. Not having met together for two years will mean long business sessions and interesting discussions participated in by everyone, thus our thought of "a little goes a long ways" may not be amiss.

A Lasting Elastic RAINCOAT

for your
Mill Buildings
and
Storage Tanks

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THE H. J. MELLEN COMPANY

53 W. Jackson Boulevard

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Experts in Restoration, Water and
Weatherproofing of Grain Stor-
age Tanks and Mill Buildings.

DUM DUM CONTRACTORS



"OUT OF A CLEAR SKY"

COME DESTRUCTION AND DEATH!

Dust Explosions are NOT "*Dated.*" They are *Due* to Appear *ANY* Instant That Conditions Are Ripe to Touch Off a Blast. *You* Know That Their Horror-"History" Is Written in Smoke and Fire!

Mounted on Your Elevator Legs, Robertson Safety Ventilators Continuously Vent Dangerous Fine Dust with Automatic Gravity Action. In the Event that a Primary Explosion Develops it is Ushered *Outside* Through the Robertson Vent — thus *Pre-*venting the Spread of Destruction by Disastrous Secondary Explosions.

Be *Prepared!* Play Safe With Robertson Safety Ventilators. Write Today for Descriptive Literature to

H. H. ROBERTSON CO.

Farmers Bank Bldg.

Pittsburgh, Pa.